



Synonym

CD70,CD27LG,TNFSF7,TNFSF7G,CD27L

Source

Mouse CD27 Ligand Protein, His Tag(CDL-M5245) is expressed from human 293 cells (HEK293). It contains AA Gln 47 - Pro 195 (Accession # [O55237-1](#)).

Predicted N-terminus: His

Molecular Characterization

Poly-his

CD27 Ligand(Gln 47 - Pro 195)
O55237-1

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 18.6 kDa. The protein migrates as 27-30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μ g by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

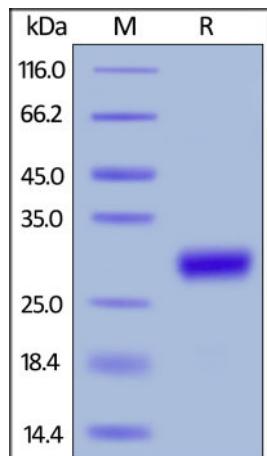
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

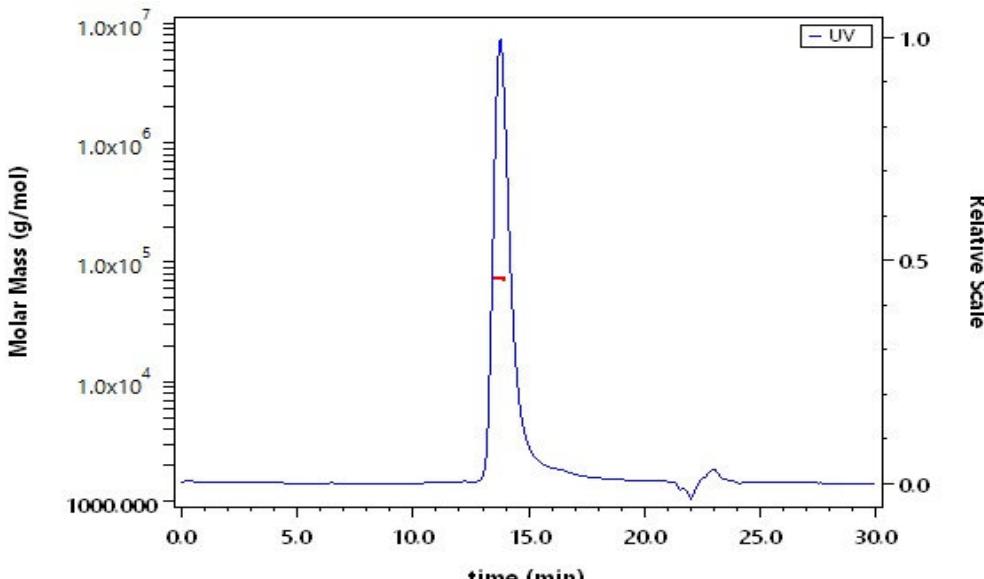
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Mouse CD27 Ligand Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS



The purity of Mouse CD27 Ligand Protein, His Tag (Cat. No. CDL-M5245) is more than 95% and the molecular weight of this protein is around 70-90 kDa verified by SEC-MALS.

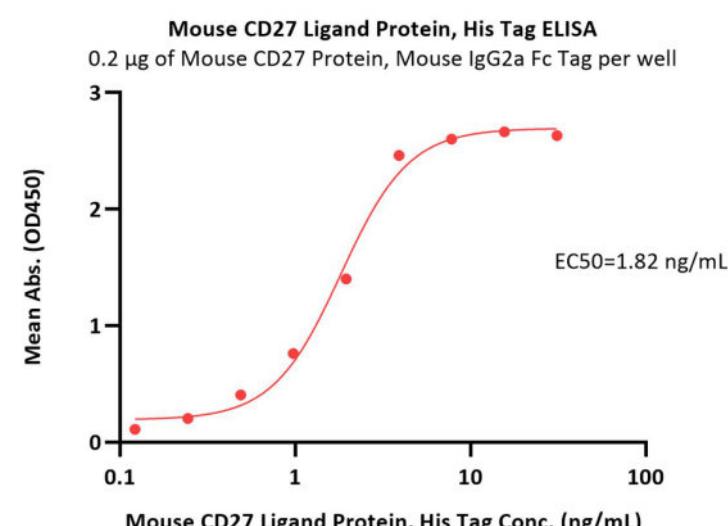
[Report](#)

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Immobilized Mouse CD27 Protein, Mouse IgG2a Fc Tag (Cat. No. CD7-M5252) at 2 µg/mL (100 µL/well) can bind Mouse CD27 Ligand Protein, His Tag (Cat. No. CDL-M5245) with a linear range of 0.1-4 ng/mL (QC tested).

Background

Cluster of Differentiation 70 (CD70) is also known as CD27 ligand (CD27L / CD27LG), TNFSF7, TNFSF7G, is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and is a surface antigen found on activated T-and B-lymphocytes and mature dendritic cells. Binding of CD70 to its receptor CD27 induces in priming, effector functions, differentiation and memory formation of T-cells, and thus is involved in the biological processes including T-cell activation, the proliferation of costimulated T-cells, as well as the generation of cytolytic T-cells. CD70 on T cells provides costimulatory signals that are required for T cell proliferation, clonal expansion and the promotion of effector T cell formation. CD70 on mouse B cell has been shown to inhibit terminal differentiation of activated B cells into plasma cells and enhances commitment to memory B cell responses. CD70 induces proliferation and IFN γ production, on NK cells.

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